

ABSTRACT OF THE DISCLOSURE

A method and system for designing a liquid crystal display device is provided.

The method and system include the following steps. They are: based upon at least one
5 viewing angle among a plurality of liquid crystal display films, determine a range of a gap
between liquid crystal cells of a liquid crystal display device; based upon the panel
transmittance and gamut of a plurality of liquid crystal modules, determine at least one value
of the gap between liquid crystal cells of the liquid crystal display device; based upon optic
characteristics of a plurality of color filter films and color modules, determine a set of optic
10 characteristics for a color filter as well as for the liquid crystal display device; and adjusting
values related to the set of optic characteristics of the liquid crystal display device and the
color filter. Thereby a set of adjusted values for present as well as future design purposes is
produced.